

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85 papers	1,312 citations	19 h-index	31 g-index
93 ext. papers	1,591 ext. citations	4.1 avg, IF	4.62 L-index

#	Paper	IF	Citations
85	Diversity of mechanism-based pharmacodynamic models. <i>Drug Metabolism and Disposition</i> , 2003 , 31, 510-8	4	286
84	Antiallodynic and antihyperalgesic activity of 3-[4-(3-trifluoromethyl-phenyl)-piperazin-1-yl]-dihydrofuran-2-one compared to pregabalin in chemotherapy-induced neuropathic pain in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2014 , 122, 173-81	3.9	42
83	Inhalable highly concentrated itraconazole nanosuspension for the treatment of bronchopulmonary aspergillosis. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 83, 44-53	5.7	41
82	CYP2C19 polymorphism affects single-dose pharmacokinetics of oral pantoprazole in healthy volunteers. <i>European Journal of Clinical Pharmacology</i> , 2012 , 68, 1267-74	2.8	39
81	Immobility stress induces depression-like behavior in the forced swim test in mice: effect of magnesium and imipramine. <i>Pharmacological Reports</i> , 2006 , 58, 746-52	3.9	37
80	Caffeine enhances the antidepressant-like activity of common antidepressant drugs in the forced swim test in mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2016 , 389, 211-21	3.4	36
79	Enhancement of antidepressant-like activity by joint administration of imipramine and magnesium in the forced swim test: Behavioral and pharmacokinetic studies in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2005 , 81, 524-9	3.9	34
78	High-Energy Ball Milling as Green Process To Vitrify Tadalafil and Improve Bioavailability. <i>Molecular Pharmaceutics</i> , 2016 , 13, 3891-3902	5.6	31
77	PDE7-Selective and Dual Inhibitors: Advances in Chemical and Biological Research. <i>Current Medicinal Chemistry</i> , 2017 , 24, 673-700	4.3	31
76	Pharmacokinetic interaction between imipramine and carbamazepine in patients with major depression. <i>Psychopharmacology</i> , 2001 , 154, 38-42	4.7	30
75	Novel, highly potent and in vivo active inhibitor of GABA transporter subtype 1 with anticonvulsant, anxiolytic, antidepressant and antinociceptive properties. <i>Neuropharmacology</i> , 2017 , 113, 331-342	5.5	27
74	Caffeine augments the antidepressant-like activity of mianserin and agomelatine in forced swim and tail suspension tests in mice. <i>Pharmacological Reports</i> , 2016 , 68, 56-61	3.9	26
73	Pharmacokinetics and pharmacodynamics of erythropoietin receptor in healthy volunteers. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2008 , 377, 637-45	3.4	25
72	Novel butanehydrazide derivatives of purine-2,6-dione as dual PDE4/7 inhibitors with potential anti-inflammatory activity: Design, synthesis and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2018 , 146, 381-394	6.8	23
71	Increased seizure susceptibility and other toxicity symptoms following acute sulforaphane treatment in mice. <i>Toxicology and Applied Pharmacology</i> , 2017 , 326, 43-53	4.6	21
70	Pharmacokinetic-pharmacodynamic modeling of levodopa in patients with advanced Parkinson disease. <i>Clinical Neuropharmacology</i> , 2010 , 33, 135-41	1.4	21
69	Anticonvulsant Activity of Pterostilbene in Zebrafish and Mouse Acute Seizure Tests. <i>Neurochemical Research</i> , 2019 , 44, 1043-1055	4.6	20

68	In vitro and in vivo behavior of ground tadalafil hot-melt extrudates: How the carrier material can effectively assure rapid or controlled drug release. <i>International Journal of Pharmaceutics</i> , 2017 , 528, 498-510	6.5	19
67	Novel amide derivatives of 1,3-dimethyl-2,6-dioxapurin-7-yl-alkylcarboxylic acids as multifunctional TRPA1 antagonists and PDE4/7 inhibitors: A new approach for the treatment of pain. <i>European Journal of Medicinal Chemistry</i> , 2018 , 158, 517-533	6.8	19
66	Antidepressant-Like Activity of Typical Antidepressant Drugs in the Forced Swim Test and Tail Suspension Test in Mice Is Augmented by DMPX, an Adenosine A Receptor Antagonist. <i>Neurotoxicity Research</i> , 2019 , 35, 344-352	4.3	16
65	The influence of caffeine on the activity of moclobemide, venlafaxine, bupropion and milnacipran in the forced swim test in mice. <i>Life Sciences</i> , 2015 , 136, 13-8	6.8	15
64	Traxoprodil, a selective antagonist of the NR2B subunit of the NMDA receptor, potentiates the antidepressant-like effects of certain antidepressant drugs in the forced swim test in mice. <i>Metabolic Brain Disease</i> , 2016 , 31, 803-14	3.9	15
63	Sildenafil, a phosphodiesterase type 5 inhibitor, enhances the antidepressant activity of amitriptyline but not desipramine, in the forced swim test in mice. <i>Journal of Neural Transmission</i> , 2012 , 119, 645-52	4.3	15
62	Pharmacokinetic-pharmacodynamic modeling of methylxanthine derivatives in mice challenged with high-dose lipopolysaccharide. <i>Pharmacology</i> , 2010 , 85, 264-71	2.3	15
61	Pretreatment with R(+)-verapamil significantly reduces mortality and cytokine expression in murine model of septic shock. <i>International Immunopharmacology</i> , 2009 , 9, 478-90	5.8	15
60	Interconversion and tissue distribution of pentoxifylline and lisofylline in mice. <i>Chirality</i> , 2006 , 18, 644-51	1.1	15
59	Novel Aryloxyethyl Derivatives of 1-(1-Benzoylpiperidin-4-yl)methanamine as the Extracellular Regulated Kinases 1/2 (ERK1/2) Phosphorylation-Preferring Serotonin 5-HT Receptor-Biased Agonists with Robust Antidepressant-like Activity. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 2750-2771	8.3	14
58	Activity and Safety of Inhaled Itraconazole Nanosuspension in a Model Pulmonary Aspergillus fumigatus Infection in Inoculated Young Quails. <i>Mycopathologia</i> , 2015 , 180, 35-42	2.9	14
57	Acute effect of cannabidiol on the activity of various novel antiepileptic drugs in the maximal electroshock- and 6 Hz-induced seizures in mice: Pharmacodynamic and pharmacokinetic studies. <i>Neuropharmacology</i> , 2019 , 158, 107733	5.5	14
56	Pharmacokinetic-pharmacodynamic relationship of rocuronium under stable nitrous oxide-fentanyl or nitrous oxide-sevoflurane anesthesia in children. <i>Paediatric Anaesthesia</i> , 2006 , 16, 761-8	1.8	14
55	Advances in Discovery of PDE10A Inhibitors for CNS-Related Disorders. Part 1: Overview of the Chemical and Biological Research. <i>Current Drug Targets</i> , 2019 , 20, 122-143	3	14
54	A Novel, Pan-PDE Inhibitor Exerts Anti-Fibrotic Effects in Human Lung Fibroblasts via Inhibition of TGF- β Signaling and Activation of cAMP/PKA Signaling. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
53	Population pharmacokinetic analysis of ciprofloxacin in the elderly patients with lower respiratory tract infections. <i>Experimental Gerontology</i> , 2014 , 57, 107-13	4.5	13
52	Influence of sildenafil on the antidepressant activity of bupropion and venlafaxine in the forced swim test in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2012 , 103, 273-8	3.9	13
51	Pharmacokinetic considerations for current state-of-the-art antidepressants. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2019 , 15, 831-847	5.5	11

50	Antidepressant-like activity of sildenafil following acute and subchronic treatment in the forced swim test in mice: effects of restraint stress and monoamine depletion. <i>Metabolic Brain Disease</i> , 2016 , 31, 1095-104	3.9	11
49	PK/PD studies on non-selective PDE inhibitors in rats using cAMP as a marker of pharmacological response. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017 , 390, 1047-1059	3.4	11
48	Sildenafil, a phosphodiesterase type 5 inhibitor, reduces antidepressant-like activity of paroxetine in the forced swim test in mice. <i>Pharmacological Reports</i> , 2012 , 64, 1259-66	3.9	11
47	Sildenafil, a phosphodiesterase type 5 inhibitor, enhances the activity of two atypical antidepressant drugs, mianserin and tianeptine, in the forced swim test in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2012 , 38, 121-6	5.5	11
46	Agomelatine and tianeptine antidepressant activity in mice behavioral despair tests is enhanced by DMPX, a selective adenosine A receptor antagonist, but not DPCPX, a selective adenosine A receptor antagonist. <i>Pharmacological Reports</i> , 2019 , 71, 676-681	3.9	10
45	DPCPX, a selective adenosine A1 receptor antagonist, enhances the antidepressant-like effects of imipramine, escitalopram, and reboxetine in mice behavioral tests. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018 , 391, 1361-1371	3.4	10
44	Sensitive and precise HPLC method with back-extraction clean-up step for the determination of sildenafil in rat plasma and its application to a pharmacokinetic study. <i>Biomedical Chromatography</i> , 2015 , 29, 1559-66	1.7	10
43	Sevoflurane increases fade of neuromuscular response to TOF stimulation following rocuronium administration in children. A PK/PD analysis. <i>Paediatric Anaesthesia</i> , 2007 , 17, 637-46	1.8	9
42	Comparative Assessment of the New PDE7 Inhibitor - GRMS-55 and Lisofylline in Animal Models of Immune-Related Disorders: A PK/PD Modeling Approach. <i>Pharmaceutical Research</i> , 2020 , 37, 19	4.5	9
41	Novel anilide and benzamide derivatives of arylpiperazinylalkanoic acids as 5-HT/5-HT receptor antagonists and phosphodiesterase 4/7 inhibitors with procognitive and antidepressant activity. <i>European Journal of Medicinal Chemistry</i> , 2020 , 201, 112437	6.8	8
40	Effect of Tadalafil on Seizure Threshold and Activity of Antiepileptic Drugs in Three Acute Seizure Tests in Mice. <i>Neurotoxicity Research</i> , 2018 , 34, 333-346	4.3	8
39	Physiologically based modeling of lisofylline pharmacokinetics following intravenous administration in mice. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2016 , 41, 403-12	2.7	8
38	Chronic treatment with caffeine and its withdrawal modify the antidepressant-like activity of selective serotonin reuptake inhibitors in the forced swim and tail suspension tests in mice. Effects on Comt, Slc6a15 and Adora1 gene expression. <i>Toxicology and Applied Pharmacology</i> , 2017 , 337, 95-103	4.6	8
37	Approaches to pharmacokinetic/ pharmacodynamic modeling during pregnancy. <i>Seminars in Perinatology</i> , 2001 , 25, 124-32	3.3	8
36	Advances in the Discovery of PDE10A Inhibitors for CNS-Related Disorders. Part 2: Focus on Schizophrenia. <i>Current Drug Targets</i> , 2019 , 20, 1652-1669	3	8
35	Ligands of the CB2 cannabinoid receptors augment activity of the conventional antidepressant drugs in the behavioural tests in mice. <i>Behavioural Brain Research</i> , 2020 , 378, 112297	3.4	8
34	A model for treating avian aspergillosis: serum and lung tissue kinetics for Japanese quail (<i>Coturnix japonica</i>) following single and multiple aerosol exposures of a nanoparticulate itraconazole suspension. <i>Medical Mycology</i> , 2013 , 51, 800-10	3.9	7
33	Influence of the CB and CB cannabinoid receptor ligands on the activity of atypical antidepressant drugs in the behavioural tests in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2020 , 188, 172833	3.9	7

32	Novel phosphodiesterases inhibitors from the group of purine-2,6-dione derivatives as potent modulators of airway smooth muscle cell remodelling. <i>European Journal of Pharmacology</i> , 2019 , 865, 172779	5.3	7
31	New imidazopyridines with phosphodiesterase 4 and 7 inhibitory activity and their efficacy in animal models of inflammatory and autoimmune diseases. <i>European Journal of Medicinal Chemistry</i> , 2021 , 209, 112854	6.8	7
30	Influence of the CB cannabinoid receptors on the activity of the monoaminergic system in the behavioural tests in mice. <i>Brain Research Bulletin</i> , 2019 , 150, 179-185	3.9	6
29	Discovery of Novel pERK1/2- or Arrestin-Preferring 5-HT Receptor-Biased Agonists: Diversified Therapeutic-like versus Side Effect Profile. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 10946-10971	8.3	6
28	Effect of sildenafil on the activity of some antidepressant drugs and electroconvulsive shock treatment in the forced swim test in mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017 , 390, 339-349	3.4	5
27	Effect of Pterostilbene, a Natural Analog of Resveratrol, on the Activity of some Antiepileptic Drugs in the Acute Seizure Tests in Mice. <i>Neurotoxicity Research</i> , 2019 , 36, 859-869	4.3	5
26	Synthesis of 8-alkoxy-1,3-dimethyl-2, 6-dioxapurin-7-yl-substituted acetohydrazides and butanehydrazides as analgesic and anti-inflammatory agents. <i>Heterocyclic Communications</i> , 2015 , 21, 273-278	1.7	5
25	Influence of the endocannabinoid system on the antidepressant activity of bupropion and moclobemide in the behavioural tests in mice. <i>Pharmacological Reports</i> , 2020 , 72, 1562-1572	3.9	5
24	Traxoprodil augments the antidepressant-like activity of agomelatine but not of mianserin or tianeptine in the forced swim test in mice. <i>Pharmacological Reports</i> , 2016 , 68, 960-3	3.9	5
23	Withdrawal of caffeine after its chronic administration modifies the antidepressant-like activity of atypical antidepressants in mice. Changes in cortical expression of Comt, Slc6a15 and Adora1 genes. <i>Psychopharmacology</i> , 2018 , 235, 2423-2434	4.7	5
22	Enantioselective analysis of ibuprofen enantiomers in mice plasma and tissues by high-performance liquid chromatography with fluorescence detection: Application to a pharmacokinetic study. <i>Chirality</i> , 2017 , 29, 500-511	2.1	5
21	Pharmacokinetic modelling of pentoxifylline and lisofylline after oral and intravenous administration in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2007 , 59, 495-501	4.8	5
20	Influence of inflammatory disorders on pharmacokinetics of lisofylline in rats: implications for studies in humans. <i>Xenobiotica</i> , 2019 , 49, 1209-1220	2	5
19	The influence of selective A1 and A2A receptor antagonists on the antidepressant-like activity of moclobemide, venlafaxine and bupropion in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2018 , 70, 1200-1208	4.8	5
18	Influence of the selective antagonist of the NR2B subunit of the NMDA receptor, traxoprodil, on the antidepressant-like activity of desipramine, paroxetine, milnacipran, and bupropion in mice. <i>Journal of Neural Transmission</i> , 2017 , 124, 387-396	4.3	4
17	The impact of polymers on 3D microstructure and controlled release of sildenafil citrate from hydrophilic matrices. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 119, 234-243	5.1	4
16	Methods of estimation of IC50 and SC50 parameters for indirect response models from single dose data. <i>Journal of Pharmaceutical Sciences</i> , 2003 , 92, 1438-54	3.9	4
15	Effects of classic antiseizure drugs on seizure activity and anxiety-like behavior in adult zebrafish. <i>Toxicology and Applied Pharmacology</i> , 2021 , 415, 115429	4.6	4

14	Pharmacokinetics and tissue distribution of the new non-imidazole histamine H3 receptor antagonist 1-[3-(4-tert-butylphenoxy) propyl]piperidine in rats. <i>Xenobiotica</i> , 2015 , 45, 912-20	2	3
13	Pharmacokinetic study of tianeptine and its active metabolite MC5 in rats following different routes of administration using a novel liquid chromatography tandem mass spectrometry analytical method. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018 , 391, 185-196	3.4	3
12	Pharmacokinetic interaction between verapamil and methylxanthine derivatives in mice. <i>Drug Metabolism Letters</i> , 2010 , 4, 15-24	2.1	3
11	Characterization of the Brain Penetrant Neuropeptide Y Y2 Receptor Antagonist SF-11. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 3454-3463	5.7	2
10	PK/PD Modeling of the PDE7 Inhibitor-GRMS-55 in a Mouse Model of Autoimmune Hepatitis. <i>Pharmaceutics</i> , 2021 , 13,	6.4	2
9	Anticonvulsant effect of pterostilbene and its influence on the anxiety- and depression-like behavior in the pentetrazol-kindled mice: behavioral, biochemical, and molecular studies. <i>Psychopharmacology</i> , 2021 , 238, 3167-3181	4.7	2
8	Design and Synthesis of Novel Aminoalkanamides Targeting Neurodegeneration and Symptoms of Alzheimer's Disease. <i>Current Medicinal Chemistry</i> , 2021 , 28, 6082-6094	4.3	2
7	Multifunctional Arylsulfone and Arylsulfonamide-Based Ligands with Prominent Mood-Modulating Activity and Benign Safety Profile, Targeting Neuropsychiatric Symptoms of Dementia. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 12603-12629	8.3	1
6	A new class of 5-HT receptor antagonists with procognitive and antidepressant properties. <i>Future Medicinal Chemistry</i> , 2021 , 13, 1497-1514	4.1	1
5	Effects of new antiseizure drugs on seizure activity and anxiety-like behavior in adult zebrafish. <i>Toxicology and Applied Pharmacology</i> , 2021 , 427, 115655	4.6	1
4	.. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2022 ,	4.7	1
3	KM-416, a novel phenoxyalkylaminoalkanol derivative with anticonvulsant properties exerts analgesic, local anesthetic, and antidepressant-like activities. Pharmacodynamic, pharmacokinetic, and forced degradation studies. <i>European Journal of Pharmacology</i> , 2020 , 886, 173540	5.3	0
2	Synthesis and in vitro evaluation of anti-inflammatory, antioxidant, and anti-fibrotic effects of new 8-aminopurine-2,6-dione-based phosphodiesterase inhibitors as promising anti-asthmatic agents. <i>Bioorganic Chemistry</i> , 2021 , 117, 105409	5.1	0
1	Pharmacokinetic/Pharmacodynamic Evaluation of a New Purine-2,6-Dione Derivative in Rodents with Experimental Autoimmune Diseases. <i>Pharmaceutics</i> , 2022 , 14, 1090	6.4	